

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. 03500.017248		APPLICATION NO. 10/202316	
APPLICANT Akira Tsuboyama et al.				FILING DATE Filed Herewith 09/10/2004		GROUP 1774 N.Y.A.	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>MEY</i>		5,755,999	05/26/98	Shi et al.	252	301.16	—
<i>MEY</i>		6,528,187 B1	03/04/03	Okada	428	690	09/08/99
<i>MEY</i>		2001/0019782 A1	09/06/01	Igarashi et al.	428	690	—
<i>MEY</i>		2002/0045063 A1	04/18/02	Kim et al.	428	690	—

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
<i>MEY</i>	JP	2000-355687	12/26/00	Japan	—	—	Abstract
<i>MEY</i>	JP	2000-144125	05/26/00	Japan	—	—	Abstract
<i>MEY</i>	JP	2000-53957	02/22/00	Japan	—	—	Abstract
<i>MEY</i>	WO	00/57676 A1	09/28/00	International	—	—	—
<i>MEY</i>	EP	0 878 529 A2	11/18/98	Europe	—	—	—

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)		

EXAMINER <i>Marie L. Yamamoto</i>	DATE CONSIDERED <i>April 26, 2007</i>
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FORM PTO 1449 (modified)		ATTY DOCKET NO. 03500.017248		APPLICATION NO. 10/507316	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Akira Tsuboyama et al.			
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		FILING DATE Filed Herewith 09/10/2004		GROUP N.Y.A. 1774	
U.S. PATENT DOCUMENTS					
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUBCLASS TRANSLATION YES/NO/OR ABSTRACT
MEJ	JP	2002-540572	11/26/02	Japan	— — Abstract
MEJ	JP	2001-247859	09/14/01	Japan	— — Abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)					
EXAMINER	Marie R. Yarnitzky		DATE CONSIDERED April 26, 2007		

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FORM PTO 1449 (modified)			ATTY DOCKET NO. 03500.017248		APPLICATION NO. 10/507,316	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			APPLICANT Akira Tsuboyama et al.			
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)			FILING DATE May 2, 2003 09/10/2004		GROUP N.Y.A. 1774	
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MEY	2003/0224208 A1	12/04/03	Kamatani et al.	428	690	04/07/03
MEY	2003/0235712 A1	12/25/03	Takiguchi et al.	428	690	06/17/02
MEY	2004/0013905 A1	01/22/04	Tsuboyama et al.	428	690	03/28/03
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
MEY	10-308277	11/17/98	Japan	—	—	Abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)						
MEY	C. H. Chen et al., "Recent Developments in Molecular Organic Electroluminescent Materials", <i>Macromol. Symp.</i> 125, 1997, pgs. 1-48.					
MEY	Y. Ma et al., "High Luminescence Gold(I) and Copper(I) Complexes with a Triplet Excited State for Use in Light-Emitting Diodes", <i>Advanced Materials.</i> , Vol. 11, No. 10, 1999, pgs. 852-857.					
MEY	Delphine Felder et al., "Highly Luminescent Cu(I)-Phenanthroline Complexes in Rigid Matrix and Temperature Dependence of the Photophysical Properties", <i>J. Am. Chem. Soc.</i> , 2001, 123, pgs. 6291-6299.					
MEY	Rosemary A. Rader et al., "Photostudies of [Cu(bpy)(PPh ₃) ₂] ⁺ , [Cu(phen)(PPh ₃) ₂] ⁺ , and [Cu(dmp)(PPh ₃) ₂] ⁺ In Solution and in Rigid, Low-Temperature Glasses. Simultaneous Multiple Emissions from Intraligand and Charge-Transfer States", <i>J. Am. Chem. Soc.</i> , 1981, 103, pgs. 5906-5912.					
MEY	Mark T. Miller et al., "Effects of Sterics and Electronic Delocalization on the Photophysical, Structural, and Electrochemical Properties of 2,9-Disubstituted 1,10-Phenanthroline Copper(I) Complexes", <i>Inorg. Chem.</i> , 1999, 38, pgs. 3414-3422.					
EXAMINER Marie R. Yarnitzky			DATE CONSIDERED April 26, 2007			

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May		Toshiyuki Shono et al., "Syntheses of Copper (I) Triphenylphosphine Complexes", <i>Chemistry Letters</i> , 1972, pgs. 163-164.			
May		Whei-Lu Kwik et al., "Ternary Complexes of Copper (I) with 2,9-Dimethyl-1,10-phenanthroline and Some Oxygen-donor Ligands", <i>J.C.S. Dalton</i> , 1981, pgs. 452-455.			
May		Mark T. Miller et al., "A Highly Emissive Heteroleptic Copper (I) Bis(phenanthroline) Complex: [Cu(dbp)(dmp)] ⁺ (dbp = 2,9-Di- <i>tert</i> -butyl-1,10-phenanthroline; dmp = 2,9-Dimethyl-1,10-phenanthroline), <i>J. Am. Chem. Soc.</i> , 1999, 121, pgs. 4292-4293.			
May		Michèle K. Eggleston et al., "Steric Effects in the Ground and Excited States of Cu(NN) ₂ ⁺ Systems", <i>Inorg. Chem.</i> , 1997, 36, pgs. 172-176.			
May		R. Michael Everly et al., "Reinvestigation of the Absorbing and Emitting Charge-Transfer Excited States of [Cu(NN) ₂] ⁺ Systems", <i>J. Phys. Chem.</i> , 1991, 95, pgs. 9071-9075.			
EXAMINER		DATE CONSIDERED			
Marie R. Yarnitzky		April 26, 2007			

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FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		ATTY DOCKET NO. 03500.17248		APPLICATION NO. 10/507,316	
APPLICANT Akira Tsuboyama et al.		FILING DATE May 2, 2003 09/10/2004		GROUP N.Y.A. 1774	

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		

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<i>May</i>	Arai et al., "Photocharacteristics of Copper Complex Containing Diphosphine and DIlmine", Ext. Abstracts (51 st Complex Chemistry Forum), page 578, 2P-F13 (2001).
<i>May</i>	Kinoshita et al., "Development of Sulfur-Crosslinked Large Rix Calix [4]pyridine and Novel Complex Group", Ext. Abstracts (51 st Complex Chemistry Forum), page 425, 253-06 (2004) , 253-06 (2001).

EXAMINER <i>Maie R. Yarnitzky</i>	DATE CONSIDERED <i>April 26, 2007</i>
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